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## Lucas County Information Services Checklist for Hardware/Software/Services

Department: Health Department

Requestor: Scott Francis

Funding  
Account &  
Description

9024-4202-530200

Req. Date: August 8, 2014

Vendor:

CDWG

☒ State Term Contract ID NJPA**Type of Request (check all that apply):**☒ Hdw ☐ SW ☐ Services/New☒ Purchase ☐ Lease ☐ Subscription☐ Services/Support Renewal  
Original Purchase DateDescription or  
Nature of Request  
and for whom this  
is intended:

Health Department intends to purchase 9 Lenovo ThinkPad E545 A6-5350 laptops with warranty.

Hdw/SW/Service Item Descr	Quote #	Wrnty Term	Qty	Unit Cost	Support Cost	Total Cost
3145422 LVO TS TP E545 A-5350 320GB 4GB W8	X815399		9	\$ 440.90	\$ 0.00	\$ 3,968.10
3020456 LVO TOPSELLER 3YR DEPOT	X815399		9	\$ 71.01	\$ 0.00	\$ 639.09
				\$ 0.00	\$ 0.00	\$ 0.00
				\$ 0.00	\$ 0.00	\$ 0.00
				\$ 0.00	\$ 0.00	\$ 0.00
				\$ 0.00	\$ 0.00	\$ 0.00

Total Request \$ 4,607.19

**Business Reason or Justification:**

Laptops will be used for remote access via Remote Desktop Protocol in the field.

6 WJH  
8/19/2014

**Lucas County Information Services  
Checklist for Hardware/Software/Services  
Page 2**

**Planned Location:**

Desktop

**If Other please specify:**

**Network Connection Required?**

☒ Yes   ☐ No   ☐ N/A

**LCIS installation assistance needed?**

☐ Yes   ☒ No

**Date:**

**LCIS on-going support required?**

☐ Yes   ☒ No   ☐ N/A

**ITB or RFP completed?**

☐ Yes   ☐ No   ☒ N/A

**LCIS Management review completed?**

☒ Yes   ☐ No

**Exclusion**

**DP Board Approved?**

☐ Yes   ☒ No

Less than \$7,500

**Exclusion**

**Date of Approval:**

8/19/2014

**Comments:**

Reviewed and prepared by Jeremy Burnat.  
Reviewed and approved by George Webb.



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Right Away.™*

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800-808-4239

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# SALES QUOTATION

QUOTE NO.	ACCOUNT NO.	DATE
X815399	5229789	8/12/2014

SCOTT FRANCIS  
635 N ERIE ST  
TOLEDO LUCAS COUNTY HEALTH DEPART.  
TOLEDO, OH 43604-5317

TOLEDO LUCAS COUNTY HEALTH DEPART.  
635 N ERIE ST  
SCOTT FRANCIS  
TOLEDO, OH 43604-5317  
Contact: SCOTT FRANCIS 419-213-4052

Customer Phone # 4192134052

Customer P.O. # LENOVO LAPTOPS

QUOTE

ACCOUNT MANAGER	SHIPPING METHOD	TERMS	EXEMPTION CERTIFICATE
SEAN BERGQUIST 877-325-3701	UPS Ground (1- 2 d	Request Terms	GOVT-EXEMPT

QTY	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
9	3145422	LVO TS TP E545 A-5350 320GB 4GB W8 Mfg#: LVP-20B20011US Contract: MARKET	440.90	3968.10
9	3020456	LVO TOPSELLER 3YR DEPOT Mfg#: LVW-5WS0A23741 Contract: MARKET	71.01	639.09
SUBTOTAL				4607.19
FREIGHT				115.08
SALES TAX				.00

Terms and Conditions:  
<http://www.cdwg.com/content/terms-conditions/default.asp>

TOTAL US Currency  
4,722.27

CDW Government  
230 North Milwaukee Ave.  
Vernon Hills, IL 60061  
General Phone: 847-371-5000 Fax: 847-419-6200  
Account Manager's Direct Fax: 312-705-8283

Please remit payment to:  
CDW Government  
75 Remittance Drive  
Suite 1515  
Chicago, IL 60675-1515

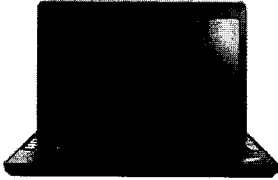


800.808.4239

## Lenovo ThinkPad E545 A6-5350 320GB HD 4GB 15.6" Win 7 Pro



Mfg. Part: 20B20011US | CDW Part: 3145422 | UNSPSC: 43211503



- A series A6-5350M / 2.9 GHz
- Windows 7 Pro 64-bit / 8 Pro 64-bit downgrade
- pre-installed: Windows 7
- 4 GB RAM
- 320 GB HDD
- DVD-Writer
- 15.6" 1366 x 768 ( HD )
- AMD Radeon HD 8450G
- trimmed with a thin silver band (side)
- black (bottom)
- matte black (top)
- TopSeller

### Availability: In Stock

Ships today if ordered within **7 hrs 26 mins.**

**\$463.83**

Advertised Price

Lease Option (**\$14.47** /month)

### Recommended Warranty

Lenovo TopSeller ePac Depot Warranty - extended service agreement - 2 years

**\$94.75**

Advertised Price

### Recommended Service

CDW HARDWARE INSTALLED ON DESKTOP/NOTEBOOK/PRINTER

**\$17.95**

Advertised Price

## Product Overview

### Main Features

- A series A6-5350M / 2.9 GHz
- Windows 7 Pro 64-bit / 8 Pro 64-bit downgrade
- pre-installed: Windows 7
- 4 GB RAM
- 320 GB HDD
- DVD-Writer
- 15.6" 1366 x 768 ( HD )
- AMD Radeon HD 8450G
- trimmed with a thin silver band (side)
- black (bottom)
- matte black (top)
- TopSeller

Your business will make a name for itself with the innovative, 15.6-inch Edge E545. You'll get your customers' attention with the modern accents and finish. The award-winning ThinkPad ergonomic keyboard is renowned for its full array of keys, excellent feel, and TrackPoint pointing device. It also features a full-sized, spill-resistant design that protects the circuitry from liquids.

### Energy/Environment standards

ENERGY STAR Qualified **Yes**

EPEAT Compliant **Yes**

EPEAT Level **EPEAT Gold**

## Technical Specifications

*Specifications are provided by the manufacturer. Refer to the manufacturer for an explanation of the print speed and other ratings.*

### Processor

64-bit Computing:	Yes
Clock Speed:	2.9 GHz
Features:	AMD Turbo CORE technology , Integrated memory controller
Manufacturer:	AMD
Max Turbo Speed:	3.5 GHz
Number of Cores:	Dual-Core
Processor Number:	A6-5350M
Type:	A series

**Networking**

Data Link Protocol:	Ethernet , Fast Ethernet , Gigabit Ethernet , IEEE 802.11b , IEEE 802.11g , IEEE 802.11n
Interface Type:	PCI Express Mini Card
Wired NIC:	Realtek RTL8111F
Wired Protocol:	Gigabit Ethernet
Wireless NIC:	ThinkPad 11 b/g/n
Wireless Protocol:	802.11n

**Storage Hard Drive**

Capacity:	320 GB
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**OS Provided**

Edition:	Windows 7 Professional , Windows 8 Pro
Family:	Windows 7 , Windows 8
Preinstalled OS:	Windows 7
Type:	Microsoft Windows 7 Professional 64-bit Edition / Windows 8 Pro 64-bit Edition downgrade

**Audio Input**

Type:	Stereo microphone
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**Audio Output**

Audio Codec:	CX20671
Compliant Standards:	High Definition Audio
Type:	Stereo speakers

**Bay Provided**

Type:	None
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**Battery**

Capacity:	48 Wh
Cells:	6-cell
Run Time (Up To):	6.2 hours
Technology:	Lithium ion

**Card Reader**

Supported Flash Memory:	MultiMediaCard , SD Memory Card , SDHC Memory Card , SDXC Memory Card
Type:	4 in 1 card reader

**Display**

Diagonal Size (metric):	39.6 cm
Display Resolution	HD
Abbreviation:	
Image Aspect Ratio:	16:9
LCD Backlight Technology:	LED backlight
Projector Monitor Features:	Anti-glare
Type:	LED
Widescreen Display:	Yes

**Header**

Brand:	Lenovo
Compatibility:	PC
Localization:	English
Manufacturer:	Lenovo Express Models
Model:	20B2
Packaged Quantity:	1
Product Line:	Lenovo ThinkPad Edge E545

**Input Device**

Features:	Built-in numeric keyboard , Multi-touch touchpad , Spill-resistant
Type:	Keyboard , TrackPoint , UltraNav

**Mainboard**

Chipset Type:	AMD A76M FCH
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**Miscellaneous**

Case Material:	ABS plastic
Color:	Black (bottom) , Matte black (top) , Trimmed with a thin silver band (side)
Compliant Standards:	RoHS
Features:	1 USB 2.0 (powered) , Administrator password , Hard drive password , Power-on password , Security lock slot (cable lock sold separately) , ThinkVantage Active Protection System
Manufacturer Selling Program:	TopSeller
Product Color:	Black

**Modem**

Type: None

#### Power Device

Frequency Required: 50/60 Hz  
Nominal Voltage: AC 120/230 V  
Power Provided: 65 Watt

#### Service

Support Details Full Contract Period: 1 year  
Support Details Location: Pick-up and return  
Support Details Type: Limited warranty  
  
Support Details Service Included: Phone consulting  
Support Details Type: Technical support

#### Service & Support Details

Service Availability (Days a Week): Monday-Sunday  
Service Availability (Hours a Day): 24 hours a day

#### Slot Provided

Type: None

#### Software

Type: Adobe Reader , Lenovo Cloud Storage , Lenovo Companion , Lenovo Support , Norton Internet Security (30 days subscription) , ThinkVantage System Update

#### System

Hard Drive Capacity: 320 GB  
Notebook Type: Notebook

#### Video Output

Graphics Processor Vendor: AMD Radeon HD 8450G

#### RAM

Configuration Features: 1 x 4 GB  
Empty Slots: 1  
Form Factor: SO DIMM 204-pin  
Installed Size: 4 GB  
Max Supported Size: 16 GB  
Memory Specification: PC3-12800  
Compliance:  
Memory Speed: 1600 MHz  
Slots Qty: 2  
Technology: DDR3L SDRAM

#### Dimensions & Weight

Depth: 9.6 in  
Height: 1.4 in  
Weight: 5.2 lbs  
Width: 14.8 in

#### Optical Storage

Drive Type: DVD-Writer  
Form Factor: Fixed  
Load Type: Tray  
Type: DVD-Writer

#### Service & Support

Type: 1 year warranty

#### Display (Projector)

Diagonal Size: 15.6 in  
Max Resolution: 1366 x 768

#### Hard Drive

Serial ATA Interface: Serial ATA-300  
Spindle Speed: 5400 rpm  
Type: HDD

#### Cache Memory

Installed Size: 1 MB  
Type: L2 cache

**Environmental Standards**

ENERGY STAR Qualified:	Yes
EPEAT Compliant:	Yes
EPEAT Level:	EPEAT Gold

**Interfaces**

Interface:	USB 3.0
Qty:	3
Interface:	USB 2.0
Interface:	VGA
Interface:	HDMI
Interface:	LAN
Interface:	Headphone/microphone combo jack

**Notebook Camera**

Capture Resolutions:	1280 x 720
Integrated Webcam:	Yes

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